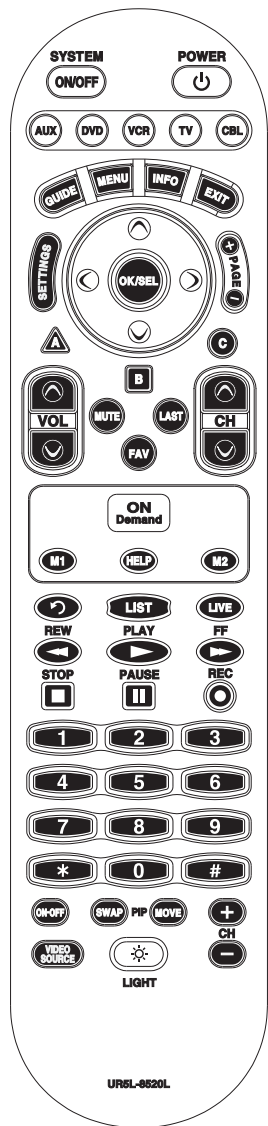


# Operating Instructions For

# CLIKR™-5 Cable Remote Control

**UR5L-8520L**



## 1 Introduction

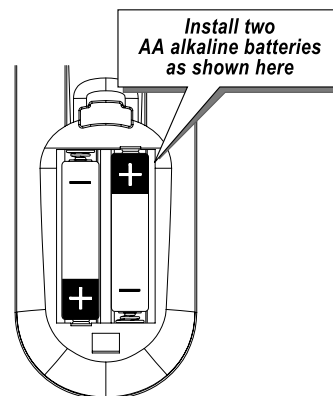
The **CLIKR™-5 UR5L-8520L** is designed to operate all Scientific-Atlanta, Pioneer Voyager and Pace Micro digital set top boxes (including DVR & HD), plus the majority of TV, VCR, DVD and AUDIO equipment on the market as shown below.

**CABLE** : Cable Converters      **TV** : Televisions  
**VCR** : VCRs and TV/VCRs      **DVD**: DVD Players  
**AUX** : Audio Receivers and DVRs, etc.

## 2 Replacing Batteries

Before you program or operate the remote control, you must install two new AA alkaline batteries.

- STEP1** Remove the battery compartment cover on the back of your remote control.
- STEP2** Check battery polarity carefully, and install the batteries as shown in the illustration below.
- STEP3** Replace the battery compartment cover.

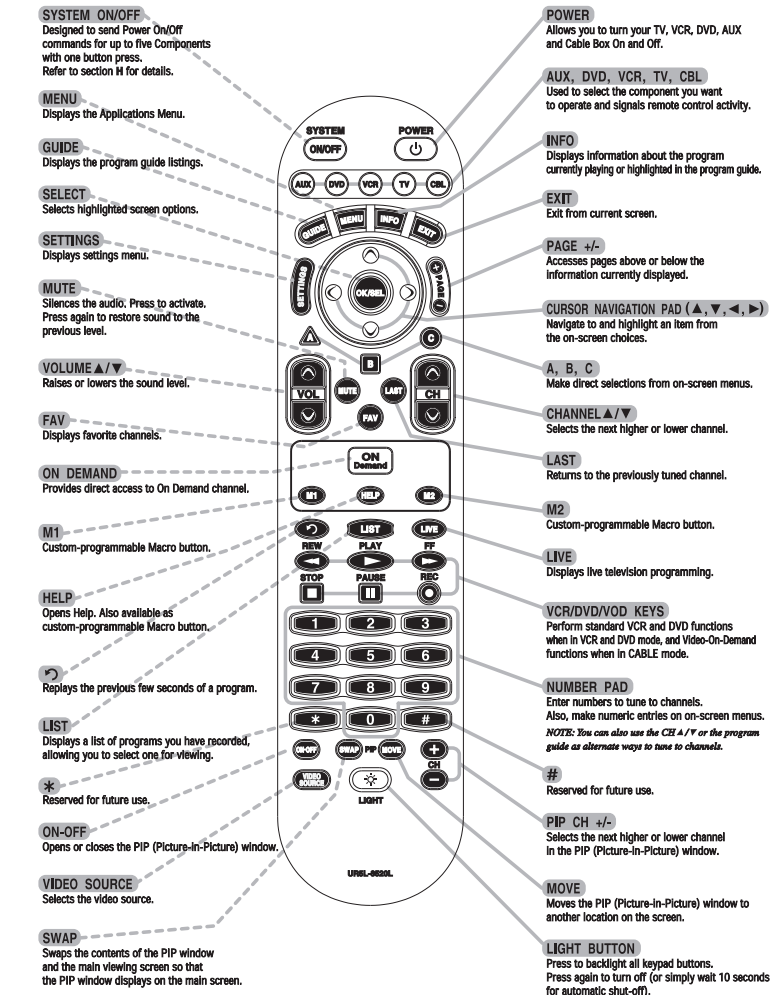


## 3 Operations

**DEFAULT STATE:**  
**Component Default:** CABLE  
**Channel Default:** CABLE channel and numbers operate through the CABLE. You have the option of controlling channel and numbers through the TV, VCR or DVD. Refer to section I for programming steps.

**Volume Default:** CABLE volume and mute operate through the TV. You have the option of controlling volume and mute through the Cable box, VCR or DVD. Refer to section J for programming steps.

## 4 Button Functions



## 5 Programming the Remote Control

There are three ways you can program your **CLIKR™-5** remote:

- \* The Pre-Programmed 3-Digit Code Method
- \* The Auto-Search Method
- \* The Learning Method

The Pre-Programmed Code Method allows you to setup all the buttons at once by entering 3-digit code numbers that correspond to a particular Component's manufacturer/brand, so it's the fastest and easiest of the three methods. (Code Tables are on the backside of this Instruction Sheet.) The Auto-Search Method scans through all the codes in the remote control, one at a time. The Learning Method allows you to transfer functions from other remotes, one button at a time.

### IMPORTANT SETUP NOTE!

This pertains to all programming steps. When you are in setup mode, a component LED will light for 30 seconds. If you do not press a button within 30 seconds, the LED light will turn off and exit setup mode and you will need to start over.

### A. Pre-Programmed 3-Digit Code Method

- STEP1** Turn on the Component you want to program (TV, VCR, DVD or AUX) using your old remote.
- STEP2** Press the [COMPONENT] button (TV, VCR, DVD or AUX) to be programmed and [OK/SEL] button simultaneously for 3 seconds. The Component LED light will turn on for 30 seconds indicating the unit is ready to be programmed.

- STEP3** Point the remote control toward the Component and enter the 3-digit code number assigned to your brand.

*\*Note : If the 3-digit code number you just entered is correct, the Component will turn Off. If it did not turn Off, continue entering code numbers listed for that brand until the Component turns Off.*

- STEP4** After you've entered the correct code number and the Component has turned Off, press the [POWER] button to turn the Component back On. Now it's time to test the VOLUME and MUTE buttons for the TV (or PLAY and STOP buttons for VCR and DVD) to make sure they all work. If any of the functions do not work as they should, repeat from STEP 3 using the next 3-digit code number listed for that brand.

- STEP5** Once you have found the correct 3-digit code, save it by pressing the same [COMPONENT] button one more time. The Component LED light will blink twice to confirm that the code was successfully stored.

**Now, program the rest of your Components by repeating STEPS 1-5**

*\*Note : If the Pre-Programmed Method did not work, or if the Code Tables do not list your Component brand, use the Auto-Search Method as explained in Section B.*

### B. Auto-Search Method

- STEP1** Turn on the Component you want to program (TV, VCR, DVD or AUX) using your old remote.
- STEP2** Press the [COMPONENT] button (TV, VCR, DVD or AUX) to be programmed and [OK/SEL] button simultaneously for 3 seconds. The Component LED light will turn on for 30 seconds indicating the unit is ready to be programmed.
- STEP3** Point the remote toward the Component and press the [CH▲] or [CH▼] button one step at a time or keep it pressed. The remote will emit a series of ON/OFF commands. Release the [CH▲] or [CH▼] button as soon as the Component turns Off.
- STEP4** Test functions. (Same as for 3-Digit Code Programming Method - Section A). If any of the functions do not work as they should, repeat from STEP 3 using [CH▲] or [CH▼] buttons to find the correct code.
- STEP5** Save the code. (Same as for 3-Digit Code Programming Method - Section A).

- STEP3** Point the remote toward the Component and press the [CH▲] or [CH▼] button one step at a time or keep it pressed. The remote will emit a series of ON/OFF commands. Release the [CH▲] or [CH▼] button as soon as the Component turns Off.

- STEP4** Test functions. (Same as for 3-Digit Code Programming Method - Section A). If any of the functions do not work as they should, repeat from STEP 3 using [CH▲] or [CH▼] buttons to find the correct code.

- STEP5** Save the code. (Same as for 3-Digit Code Programming Method - Section A).

**Now, repeat the Auto-Search Method for those Components you could not program earlier with the Pre-Programmed Method. If you can't find the right code using the Auto-Search Method, try the Learning Method in Section C.**

### C. The Learning Method

- STEP1** Press the [COMPONENT] button (TV, VCR, DVD or AUX) to be programmed and the [#] buttons simultaneously for 3 seconds until the Component LED light turns on.

- STEP2** Line up the **CLIKR™-5** to the other remote, head-to-head, 1 or 2 inches apart.
- STEP3** Press any button on the **CLIKR™-5** that you want to teach a command to. For example, if you want to teach the [MUTE] button, press the [MUTE] button.

- STEP4** Press and hold the [MUTE] button on the other remote until the **CLIKR™-5** Component LED light blinks twice.

*\*Note : The LED will blink 5 times if there was an error in the learning process. In so, repeat STEPS 3 and 4. Continue learning other buttons by repeating STEPS 3 and 4.*

- STEP5** Once you have completed teaching **CLIKR™-5** all desired commands for that Component, save the learned commands by pressing the [COMPONENT] and [#] buttons simultaneously until the Component LED blinks 3 times. Now test all the buttons to make sure they learned correctly.

### D. Erasing a Single Learned Command

- STEP1** Press the [COMPONENT] and [#] buttons simultaneously for 3 seconds until the Component LED light turns on.
- STEP2** Press and hold the button you want to erase for 3 seconds. The Component LED will blink twice to confirm the erasure.
- STEP3** To exit, press and hold both the [COMPONENT] and [#] buttons simultaneously until the Component LED blinks 3 times.

### E. Erasing All Learned Commands from One Component

- STEP1** Press the [COMPONENT] and [#] buttons simultaneously for 3 seconds until the Component LED light turns on.
- STEP2** Press and hold both the [COMPONENT] button you want to erase and the [PAUSE] button for 3 seconds. The Component LED will blink twice to confirm the erasure.
- STEP3** To exit, press and hold both the [COMPONENT] and [#] buttons simultaneously until the Component LED blinks 3 times.

### F. Finding a Component Button's Setup Code Number

If you used either the Auto-Search or Learning Methods to program a Component, you may not know what the correct code number is. Here is a way for you to identify the code number, so you can record it for future reference.

- STEP1** Press the [COMPONENT] button (TV, VCR, DVD or AUX) you want to verify and the [OK/SEL] button simultaneously for 3 seconds. The Component LED light will turn on for 30 seconds.
- STEP2** Press the [INFO] button and count the number of times the Component LED light blinks. This number indicates the first digit of the code, followed by the second and third, each separated by a one second pause when the LED will turn off.

*\*Note : 10 blinks represents the number zero.  
Example : One blink, (pause), eight blinks, (pause) and three blinks, indicates code number 183.*

### G. AUX Function: Programming a 5<sup>th</sup> Component

You can take advantage of the AUX function to program a 5<sup>th</sup> Component such as a second TV, VCR, DVD or Audio Component.

- STEP1** Turn on the 5<sup>th</sup> Component you want to program (TV, VCR, DVD or Audio) using your old remote.
- STEP2** Press the [AUX] button and the [OK/SEL] button simultaneously for 3 seconds. The [AUX] Component LED will turn on for 30 seconds.
- STEP3** Press the [COMPONENT] button you want to setup. Point the remote control toward the Component and enter the 3-digit code number assigned to your brand.

*\*Note : If the 3-digit code number you just entered is the correct number, the Component will turn Off. If it did not turn Off, continue entering code numbers listed for that brand until the Component turns Off.*

- STEP4** Test functions. (Same as for 3-Digit Code Programming Method - Section A). If any of the functions do not work as they should, you need to find a new code.
- STEP5** Once you have found the correct 3-digit code, save it by pressing the [AUX] button one more time. The Component LED light will blink twice to confirm the code was stored. Now when you press the AUX button, all the buttons will work with that 5<sup>th</sup> Component.

### H. Programming the System On/Off Button

This allows you to program the System On/Off button so it can send up to five power On/Off commands with one button press.

- STEP1** Press the [CBL] button.
- STEP2** Press the [SYSTEM ON/OFF] button and the [OK/SEL] button simultaneously for 3 seconds. The [CBL] button will turn on for 30 seconds.
- STEP3** Press the first [COMPONENT] button you want to store in the [SYSTEM ON/OFF] button and then the [POWER] button. Repeat this for other Components until you have stored all the desired power commands into the [SYSTEM ON/OFF] button.
- STEP4** Press the [CH▲] button to save the power commands you stored. The [CBL] button will blink twice to confirm the commands have been saved.

### I. Programming Channel Control

You can program the channel controls (Channel Up, Channel Down and Last) from one Component to operate in another Component mode. Default channel control settings on the remote control are as follows:

**CBL** : CBL      **TV** : CBL      **VCR** : CBL  
**DVD** : DVD      **AUX** : AUX

If you wish to store the TV channel control in TV mode, use the following steps.

- STEP1** Press the [TV] button and the [OK/SEL] button simultaneously for 3 seconds. The [TV] Component LED will turn on for 30 seconds.

- STEP2** Press the [VOL ▼] button.
- STEP3** Press the [TV] button again. The Component LED will blink twice to confirm the programming.

**To return to original state:**  
If you wish to restore the CABLE channel control in TV mode, repeat the above steps but press [CBL] in **STEP3**.

### J. Programming Volume Control

You can program the volume controls (Volume Up, Volume Down and Mute) from one Component to operate in another Component mode. Default volume control settings on the remote control are as follows:

**CBL** : TV      **TV** : TV      **VCR** : TV  
**DVD** : TV      **AUX** : AUX

If you wish to store the CBL volume control in CBL mode, use the following steps.

- STEP1** Press the [CBL] button and the [OK/SEL] button simultaneously for 3 seconds. The [CBL] Component LED will turn on for 30 seconds.

- STEP2** Press the [VOL ▲] button.
- STEP3** Press the [CBL] button. The Component LED will blink twice to confirm the programming.

**To return to original state:**  
If you wish to restore the TV volume control in CBL mode, repeat the above steps but press [TV] in **STEP3**.

### K. Programming a 'Macro' or Favorite Channel

In CBL mode, the M1, M2 and HELP buttons can be programmed to act as a 'Macro' or Favorite Channel button. This allows you to send up to 10 commands with one button press.

- STEP1** Press the [CBL] button to select the CBL mode.
- STEP2** Press the [M1, M2 or HELP] button and [OK/SEL] button simultaneously for 3 seconds. The [CBL] Component LED will turn on for 30 seconds.
- STEP3** Press up to 10 buttons you wish to store. The [CBL] Component LED will blink once for each command entered.
- STEP4** Press the [CH▲] button to store the commands that were selected. The [CBL] Component LED will blink twice to confirm the storage of commands.

### L. Low Battery Warning

When the batteries are low and need to be replaced with fresh batteries, the Component LED lights will blink 2 times in sequence whenever a [POWER] button is pressed to turn on equipment.

### M. Memory Lock System

This remote control is designed to retain programmed memory for 10 years even after batteries are removed from the remote control.

### N. Record Your Component Set-up Codes

TV	Set-up Code Number:	<input type="text"/>	<input type="text"/>	<input type="text"/>
VCR	Set-up Code Number:	<input type="text"/>	<input type="text"/>	<input type="text"/>
DVD	Set-up Code Number:	<input type="text"/>	<input type="text"/>	<input type="text"/>
AUX	Set-up Code Number:	<input type="text"/>	<input type="text"/>	<input type="text"/>



## 6 Tabla de Códigos de Instalación.

### CABLE Converter

Remote	Converter	Code No
URS1-8520L	Scientific-Atlanta Explorer 8000, Pioneer Voyager DVR, Pace Micro DVR Series.	001

### TV

Manufacturer/Brand	Set-Up Code Number
ABEX	025
ADMIRAL	072 251 333 160
ADVENT	247
ADVENTURA	002
AIKO	103
ALERON	028
AKAI	116 146 248 404 405
A MARK	112 143
AMERICA ACTION	043
AMPRO	073
AMSTRAD	052
ANAM	043 054 056 080 112
AOC	116 363 112 058
APEX DIGITAL	006
AUDIOVOX	076 454 388
AVION	441
BARCO	233
BELCOR	116
BELL&HOWELL	333 072
BLAUPUNKT	088
BRADFORD	043
BROKSONIC	238
BROCKWOOD	116
CANDLE	116 002 003 363
CAPEHART	058
CELEBRITY	001
CENTURION	116
CETRONIC	043
CITIZEN	116 002 003 363 043 101 103 143
CLARION	043
CLASSIC	043
CLP CLASSIC	333
COLORTYME	116
CONCERGE	073
CONCERTO	363
CONTEC	043 050 051
CORNEA	116
CORONADO	143
CRAIG	043 054
CROSLEY	164
CROWN	043 143
CURTIS MATHES	116 101 363 143
CXC	043
DAEWOO	363 016 043 044 076 103 114 125 127 143
DAYTRON	363 143
DELL	320 164 363
DIMENSIA	333
DUKANE	011 025
DUMONT	116 073
DURABRAND	096
DWIN	257
DYNASTY	043
EIKI	187
ELECTROBAND	001
ELECTROHOME	143 024 076 196
ELEKTRA	072
EMERSON	028 048 043 155 005 116 363 047 050 051 076 096 143 153 154
ENVISION	116
ESA	323
FISHER	007 057
FUJITSU	246 198
FUNAI	028 043 052
FUTURETECH	043
GATEWAY	242 268
GE	160 073 116 008 009 034 056 074 155 333 363
GEM	391

### TV

Manufacturer/Brand	Set-Up Code Number
GIBRALTER	116 073
GOLDSTAR	113 116 102 363 106 112 127 143
GRUNPY	028 043
HALL MARK	363
HARLEY DAVIDSON	028
HARVARD	043
HAVERMY	081
HELLO KITTY	076
HIMITSU	043
HISENSE	419
HITACHI	011 166 009 010 012 023 075 143 158 072 363
HP	378 316 327 421
INFINITY	164
INFOCUS	333
INSIGNIA	350 400 052 164 403
INTEO	073
JANEL	002
JBL	164
JCB	001
JCPENNEY	024 116 008 009 030 065 101 143 160 363
JEIENSE	013
JVC	038 034 001 083 199 210
KAWASHO	116 001
KEC	043
KENWOOD	116 001
KLEGG	466
KLOSS	002 059
KLOSS NOVABEAM	002
KMC	143
KTV	043 116 143 154
KURAZAI	112
LG	363 113 116 102 106 112 127 143
LODGENET	072
LOEWE	164
LOGIK	072
LUXMAN	363
LXI	166 007 052 251 160 164 138
MAGNAVOX	164 059 116 003 060 061 363 127 022 160 094 226 390
MAJESTIC	333 072
MARANTZ	116 164
MATSUI	164
MATSUSHITA	080
MAXENT	242
MEGATRON	116 011
MEMOREX	007 072 363
MEIZ	088
MGA	116 363 024 028 042
MIDLAND	333 073
MINERVA	088
MINTEK	362
MINUTZ	008
mitsubishi	124 109 024 028 040 042 146 191 363
MONTGOMERY WARD	333 072
MOTOROLA	081
ITC	116 363 101
MULTITECH	043
NAD	025 138
NEC	272 197134 116 040 016 024 056 019 262
NET TV	242
NIKEI	043
NIKKO	116
NTC	103
NUVISION	351
OLEVIA	432 363 333 160
ONKING	043
ONWA	043
OPTIMUS	025
OPTONICA	019 251
OPTOMA	265
ORION	096
PANASONIC	080 034 056 164 208
PHILCO	116 003 059 060 164 363 024 056
PHILIPS	164 005 093 038 116 003 363 059 127 206 431
PILOT	116
PIONEER	234 135 025 018 023 116 393 272
POLAROID	388
PORTLAND	363 143
PRISM	034

### TV

Manufacturer/Brand	Set-Up Code Number
PROSCAN	160 333
PROTON	363 112 058 143 171 172
PROTRON	392 398
PULSAR	116 073
QUASAR	034 056
RADIO SHACK	019 363 143 043 127
RCA	333 160 065 116 363 024 056 152 023 074
REALISTIC	007 019 043 047
ROCTEC	186
RUNCO	182 073 395 416 072
SAMPO	116 058 363 242
SAMSUNG	258 050 089 101 105 363 127 143 160 228 229
SAMSUX	116
SANSEI	076
SANSUI	096
SANYO	166 007 020 053 057 082 187
SCPTRE	276
SCOTCH	116
SCOTT	028 043 363 048 143
SEARS	030 363 007 028 057 143 094 160 082 166 138
SELECO	205 011
SHARP	251 019 014 028 029 363 022 143 175
SHENG CHIA	081
SHOGUN	116
SIGMENS	088
SIGNATURE	072
SIMPSON	003
SOLE	231 232
SONY	001 139 126
SOUNDESIGN	028 363 003 043
SPECTRICON	072
SQUAREVIEW	052
STARLITE	043
SSS	363 043
SUPRA	116
SUPRE MACY	002
SUPREME	001
SVA	328
SYLVANIA	116 003 052 059 060 164 044 160 127
SYMPHONIC	052
SYNTAX OLEVIA	432 363 333 160
TANDY	251
TATUNG	056
TECHNICS	034 080
TECHNOL ACE	028
TECHWOOD	363
TEKNIKA	002 003 363 024 028 043 072 101 143
TELEFUNKEN	037 046
TELERENT	072
TERA	172
TMK	363
TNCI	073
TOSHIBA	138 030 007 040 101 325
TOTEVISION	143
TVS	096
UNIVERSAL	008 009
VICTOR	038
VIDEO CONCEPTS	146
VIDIKRON	174 164 188 192
VIDTECH	363
VIEWSONIC	242 389
VIKING	002
VIZIO	386 387
WARDS	045 046 059
WAYCON	015
WESTINGHOUSE	076 280 435 001
YAMAHA	116 363
YORK	363
YUPITERU	043
ZENITH	363 073 072 095 103
ZONDA	112

### VCR

Manufacturer/Brand	Set-Up Code Number
ADMIRAL	025 053
ADVENTURA	034

### VCR

Manufacturer/Brand	Set-Up Code Number
AIKO	117
AIWA	034 161
AKAI	016 146 043 046 124 125
AMERICA ACTION	117
AMERICAN HIGH	145
AMPRO	072
ANAM	145
ASHA	040
AUDIO DYNAMICS	012 023 039 043
AUDIOVOX	101
BEAUMARK	040
BROKSONIC	035 037 129
CALIX	101
CANON	028
CAPEHART	108
CCC	024 117
CITIZEN	101 117
COLT	024
CRAIG	003 022 102
CURTIS MATHES	041 145
CYBERNEX	040
DAEWOO	111 116 117 005 010 108 110 120
DAYTRON	108
DBX	012 023 039 043
DYNATECH	034 053
ELECTROHOME	059
ELECTROPHONIC	101
EMERSON	006 029 035 017 025 027 034 036 037 046 101 129 131 153 162 116 145
FISHER	003 010 008 009
FUJI	145
FUNAI	034
GARRARD	034
GE	072 147 107 109 144 145
GO VIDEO	132 136 155 115 102
GOLDSTAR	101 106 114 020 020 012 123
GRADIENTE	034
HARLEY DAVIDSON	034
HARMAN KARDON	012 045
HARWOOD	024
HITACHI	004 026 150 034 043 160 020
HQ	034
INSTANTREPLAY	145
JCL	145
JCPENNEY	012 013 015 066 101 102
JENSEN	043
JVC	048 043 130 150 060 012 152 145
KEC	101
KENWOOD	014 048 034 047
KLH	024
KODAK	101 145
LG	101 106 114 020 020 012 123
LLOYD	034
LOGIK	024
LXI	034 003 009 017 106
MAGIN	102
MAGNAVOX	067 034 041 156 164 145
MARANTZ	067 012 156 145
MARTA	101
MATSUI	027 030
MATSUSHITA	145
MEI	145
MEMOREX	101 003 010 014 034 053 072 102 139 145
MGA	045 046 059
MGN TECHNOLOGY	040
MINOLTA	020
MITSUBISHI	059 061 151 020 020 045 046 051 049
MOTOROLA	053 145
YORK	363
MULTITECH	024 034
NEC	012 023 039 043 048
NIKKO	101
NOBLEX	040
NORDMENDE	043
OLYMPUS	145
OPTIMUS	101
OPTONICA	053 054
ORION	025
PANASONIC	066 070 145 163 167

### VCR

Manufacturer/Brand	Set-Up Code Number
PENTAX	020 020 145
PHILCO	034 067 145
PHILIPS	067 034 101 054 071 156 145
PILOT	101
PIONEER	021 020 048
PORTLAND	108
PROFITRONIC	040
PROTEC	024
PULSAR	072
QUARTZ	002 014
QUASAR	066 145
RADIO SHACK	123
RADIX	101
RANDEX	101
RCA	107 109 144 147 041 145 020 034 102
REALISTIC	003 008 010 014 034 053 054 101 145 102
RICO	058
RUNCO	148
SALORA	014
SAMSUNG	102 113 115 120 032 066 107 109 125
SANKY	053
SANSUI	022 043 048
SANYO	003 010 014 102
SCOTT	017 037 120 129 131
SEARS	003 008 010 014 020 101 009 017 073 112
SHARP	053 054 165 145
SHINTOM	024
SHOGUN	040
SIGNATURE	034
SINGER	024
SONY	001 057 058 052 003 076 053 154 145
SOUNDDESIGN	034
STS	020
SYLVANIA	034 059 067 145
SYMPHONIC	034
TANDY	010 034
TATUNG	039 043
TEAC	034 039 043
TECHNICS	070 145
TEKNIKA	019 034 101 145
THOMAS	034
TMK	006
TOSHIBA	131 008 059 047 082 020 120
TOTEVISION	101 102
UNITECH	102
VECTOR RESEARCH	012
VICTOR	048
VIDEO CONCEPTS	012 034 046
VIDEOSONIC	102
VILLAIN	034
WARDS	003 020 017 024 034 053 054 131 145 102
WESTINGHOUSE	024 025
XR-1000	024 034 145
YAMAHA	012 034 039 043
ZENITH	072 080 056 048 101 034 058

### VCR-TV/VCR

Manufacturer/Brand	Set-Up Code Number
AMERICA ACTION	117
DAEWOO	005 117
EMERSON	153
FUNAI	034
GOLDSTAR	101 123
HARLEY DAVIDSON	034
HITACHI	034
JCPENNEY	101
LG	101 123
LLOYD	034
MAGNAVOX	034 067
MEMOREX	101
PANASONIC	070 167
PHILIPS	034 067
RADIO SHACK	123
RCA	034 144
SEARS	101
SONY	057 154
SYLVANIA	067

### VCR-TV/VCR

Manufacturer/Brand	Set-Up Code Number
SYMPHONIC	034
THOMAS	034
ZENITH	034

### DVD

Manufacturer/Brand	Set-Up Code Number
AIWA	146
AKAI	281
ALLEGRO	091
ALPINE	098
APEX DIGITAL	087 111 115
BLAUPUNKT	111
BROKSONIC	130
CINEVISION	091
COBY	260
CYBERHOME	271
DENON	080 173 138
DURABRAND	091
DVD 2000	017
EMERSON	091 143
ENTERPRISE	074
FISHER	147
FUNAI	143
GE	027
GOLDSTAR	091
GO VIDEO	137 091 220 221 222
GREENHILL	111
HARMAN KARDON	084 140
HITACHI	101
HITEKER	087
ILO	268
INITIAL	111
INTEGRA	142 180 280
JBL	084
JVC	012
KENWOOD	151
KISS	279
KLH	135
KRELL	104
LITEON	264 265
LEXICON	148
LG	091 057 074
MAGNAVOX	066 096
MARANTZ	105 066
MALATA	267
MERIDIAN	153
MICROSOFT	027 206
MINTEK	111 282
MITSUBISHI	017
MYRYAD	102 134
NAD	088
NAKAMICHI	103
NESA	111
ONKYO	076 141 180
OPT	